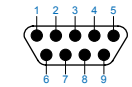
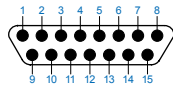


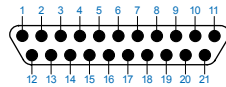
MIL-DTL-83513 CONTACT ARRANGEMENTS (FACE VIEW PIN CONNECTOR)



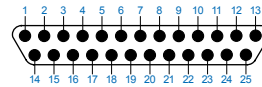
9 Contacts



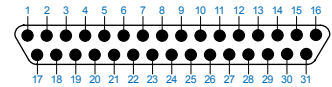
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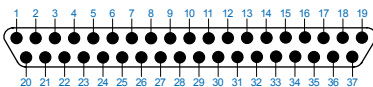
21 Contacts



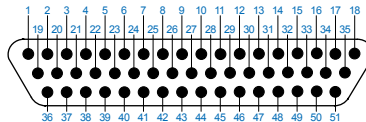
25 Contacts



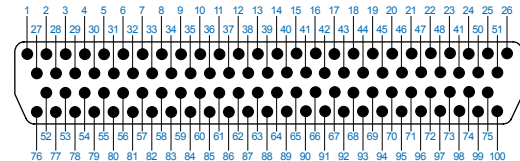
31 Contacts



37 Contacts



51 Contacts



100 Contacts

MIL-DTL-83513 MATERIALS AND FINISHES (SPECIFIC TO GLENAIR)

Connector Shell, Metal	Aluminum Alloy 6061 In Accordance With SAE-AMS-QQ-A-250/11 Plating Code C: Cadmium With Yellow Chromate Conversion Coating in Accordance With SAE-AMS-QQ-P-416, Type II, Class 3 Plating Code N: Electroless Nickel In Accordance With SAE-AMS-26074, Class 3 Stainless Steel, 300 Series, Passivated In Accordance With SAE-AMS-QQ-P-35
Connector Shell, Plastic	Liquid Crystal Polymer, 30% Glass-Filled, In Accordance With MIL-M-24519
Insulator	Liquid Crystal Polymer, 30% Glass-Filled, In Accordance With MIL-M-24519
Interfacial Seal	Fluorosilicone Rubber In Accordance With A-A-59588
Terminal Block, PCB	Liquid Crystal Polymer, 30% Glass-Filled, In Accordance With MIL-M-24519
Pin Contact (TwistPin)	Beryllium Copper, Gold Plated In Accordance With ASTM B 488 Type II Class 1.27 (50 Microinches Minimum) Code C, Over Nickel Underplate In Accordance With SAE-AMS-QQ-N-290, Class 2 (30 Microinches Minimum)
Socket Contact	Phos Bronze In accordance With ASTM 139 Gold Plated In Accordance With ASTM B 488 Type II Class 1.27 (50 Microinches Minimum) Code C, Over Nickel Underplate In Accordance With SAE-AMS-QQ-N-290, Class 2 (30 Microinches Minimum)
Encapsulant (Potting)	Epoxy Resin, Hysol EE4215/HD3561
Jackscrews, Jackposts	Stainless Steel, Passivated In Accordance With SAE-AMS-QQ-P-35
Pigtail Wire, Insulated Hookup	MIL-W-22759/11: 19 Strand Silver-Coated Copper Wire, Extruded PTFE Insulation, 600 Volts RMS, 200° C. MIL-W-22759/33: 19 Strand High-Strength Silver-Coated Copper Alloy Wire, Crosslinked Modified ETFE Insulation, 600 Volts RMS, 200° C.
Pigtail Wire, Uninsulated	Wire Type 07 and 08: Solid Copper Wire In Accordance With A-A-59551, 90% Tin/10% Lead Coated Wire Type 05 and 06: Solid Copper Wire In Accordance With A-A-59551, Gold-Plated

MIL-DTL-83513 PERFORMANCE SPECIFICATIONS

Current Rating	3 AMP
Dielectric Withstanding Voltage	600 VAC Sea Level, 150 VAC 70,000 Feet
Insulation Resistance	5000 Megohms Minimum
Contact Resistance	8 Milliohms Maximum
Low Level Contact Resistance	32 Milliohms Maximum
Magnetic Permeability	2 μ Maximum
Operating Temperature	-55° C. to +150° C.
Shock	50 g.
Vibration	20 g.
Outgassing	Meets NASA Outgassing Requirements
Mating Force	(10 Ounces Maximum) X (# Of Contacts)
Salt Spray	48 Hours Aluminum Shell With Cadmium Plating
Durability	500 Mating Cycles Minimum